

1 27. The method of claim 26 wherein the second set of operation
2 tasks is visible to each of a plurality of operations upon the
3 linked data structure.

1 28. A system for executing an operation upon a linked data
2 structure having at least one element, the system comprising:

- 3 (a) a memory for storing the linked data structure;
4 (b) a processor coupled to the memory, the processor
5 operable to perform a first set of operation tasks in
6 a first phase, the first set of operation tasks
7 operable to effect a first set of element state
8 transitions, to develop a second set of operation
9 tasks, the second set of operation tasks operable to
10 effect a second set of element state transitions, the
11 second set of element state transitions being distinct
12 from the first set of element state transitions, and
13 to perform the second set of operation tasks in a
14 second phase.

1 29. A system for executing an operation upon a linked data
2 structure having at least one element, the system comprising:
3 (a) a memory for storing the linked data structure;
4 (b) a processor coupled to the memory and operable to
5 divide the operation into first and second distinct
6 sets of operation tasks, perform the first set of
7 operation tasks in a first phase, and perform the
8 second set of operation tasks in a second phase.

1 30. A computer readable medium for executing an operation upon
2 a linked data structure having at least one element, the
3 computer readable medium comprising:
4 (a) a code segment for performing a first set of operation
5 tasks in a first phase, the first set of operation
6 tasks operable to effect a first set of element state
7 transitions;
8 (b) a code segment for developing a second set of
9 operation tasks, the second set of operation tasks
10 operable to effect a second set of element state
11 transitions, the second set of element state
12 transitions being distinct from the first set of
13 element state transitions;
14 (c) a code segment for performing the second set of
15 operation tasks in a second phase.